Abstract

The invention comprises a lift belt having a ribbed profile on a pulley engaging surface. The lift belt also comprises steel tensile cords within an elastomeric body. The ribbed profile engages a ribbed profile on a pulley. The lift belt exhibits increased load lifting capacity due to the increased surface area of the ribs as compared to a flat belt. The belt also comprises conductive tensile cords having a resistance. A change in resistance is used for measuring a belt condition as well as a belt load.